

**COORDINATING DRAFT****ANNEX B, APPENDIX 4  
CHEMICAL STOCKPILE EMERGENCY PREPAREDNESS PROGRAM  
SITE BACKGROUND**

- I. In the event of a chemical agent release during any stage of the storage or disposal process, the potential for contamination of water, soil, forage crops, grains, garden produce, and livestock exists. Persistent agents, such as VX or the mustards, pose the greatest health concern for post-incident reentry. Table D-1 provides agent stockpile characteristics for each installation. Chemical and physical properties of each agent are summarized in D-2. The user needs to become familiar with and select appropriate information from these two tables for characterizing the potential hazard at their local installation.
- II. One recent example of how poor knowledge of local stockpile characteristics resulted in potentially life-threatening decisions by local officials comes from the SRFX-91 experience at Tooele Army Depot in Utah (TEAD). The mock accident scenario was an explosive release of mustard agent that winds carried off-post into an agricultural area. When pet owners and herdsmen requested decontamination and treatment advice from a state agency, they were provided information specific to nerve agents, rather than sulfur mustard. If this had been an actual emergency, valuable time would have been lost on ineffectual treatments, and the risk of cross-contamination, serious injury or death to animals and their owners would have been great.
- III. Knowledge of the area where a chemical event occurs is critically important during recovery and reentry. Table D-3 provides some location-specific elements that should be characterized, as well as some sources for necessary data. This Table is presented as a draft planning checklist that should be reviewed by local planning authorities and "tailored" to fit local considerations. If existing installations or other location-specific environmental monitoring programs have already generated maps marked with monitoring points such as wells or air sampling stations, this data should be integrated into characterization of each location (including on and off-post areas). It is absolutely essential that standardized maps be readily available for use by reentry planners and at each installation. These maps should include compatible scales, the installation boundary lines, current monitoring stations for stockpiled agents, stockpile storage locations, surface water bodies, sources of local drinking water, populated areas, and any information related to crop and livestock locations. It is further recommended that critical off-post sampling points be pre-determined and identified on all available maps. Such pre-planning will expedite management of initial screening data collected for monitoring agent movement or transport. There may be other information not identified in Table D-3 that the user will find helpful. The authors of this document encourage resourcefulness.

**COORDINATING DRAFT****Table B-1 - Stockpile Composition at Storage Sites<sup>a</sup>**

Location	Percentage of Stockpile	Type of Agent	Type of Munitions
Aberdeen Proving Ground, Maryland	5.1	H	Ton containers
Anniston Army Depot, Alabama	7.2	H, GB, VX	Projectiles, cartridges, rockets, mines, ton containers
Johnston Island, U.S. Pacific Territory	6.5	H, GB, VX	Bombs, projectiles, rockets, mines, ton containers
Lexington-Blue Grass Army Depot, Kentucky	1.7	H, GB, VX	Projectiles, rockets, ton Containers
Newport Army Ammunition Plant, Indiana	4.0	VX	Ton containers
Pine Bluff Arsenal, Arkansas	12.6	H, GB, VX, HN <sup>c</sup>	Rockets, mines, ton containers, cartridges
Pueblo Depot Activity, Colorado	8.3	H	Projectiles, cartridges
Tooele Army Depot, Utah	42.8	H, GB, VX, GA, L	Bombs, projectiles, cartridges, rockets, mines, ton containers spray tanks
Umatilla Depot Activity, Oregon	ÆH.8	H, GB, VX	Bombs, projectiles, rockets, mines, ton containers, spray tanks

Fact sheet; Office of Public Affairs, U.S. Army Armament, Munitions and Chemical Command (USAMCCOM), Rock Island, IL.

- <sup>b</sup>
- H Sulfur mustard (blister agent)
  - L Lewisite (blister agent)
  - GB Sarin (non-persistent nerve agent)
  - GA Tabun (non-persistent nerve agent)
  - VX (persistent nerve agent)

A number of captured German WWII rockets containing nitrogen mustard (HN) are included in the Pine Bluff unitary stockpile.